

DOCUMENT RESUME

ED 285 575

IR 012 791

AUTHOR Bates, A. W.  
TITLE Satellites for Education and Training. IET Paper No. 258. Report on Visit to India, November 28-December 13, 1986.  
INSTITUTION Open Univ., Walton, Bletchley, Bucks (England). Inst. of Educational Technology.  
PUB DATE Dec 86  
NOTE 5p.  
PUB TYPE Reference Materials - Bibliographies (131) -- Reports - Descriptive (141)  
EDRS PRICE MF01/PC01 Plus Postage.  
DESCRIPTORS \*Communications Satellites; Developing Nations; \*Educational Television; Foreign Countries; Higher Education; \*Information Sources; National Programs  
IDENTIFIERS \*India

ABSTRACT

A visit to India to gather information on the INSAT-1B satellite project for the purpose of identifying the main issues involved in using satellites for education and teaching purposes, with respect to potential Open University of Great Britain involvement is outlined in this report. Organizations visited and individuals interviewed are identified, and a 33-item list of documentation on the Indian satellite experience collected during the visit or through desk research is provided. (MES)

\*\*\*\*\*  
\* Reproductions supplied by EDRS are the best that can be made \*  
\* from the original document. \*  
\*\*\*\*\*

## University Grants Committee, Delhi

The UGC is funding and organising the production of programmes aimed at university students, and general cultural and scientific programming aimed at the general public. I interviewed:

S.S. SWAMI Principal Scientific Officer, Mass Communications Unit

The UGC is funding the establishment of a number of production centres based at Universities for the purpose, and is also buying in programmes from abroad, including £50,000 of Open University programming, for use on INSAT.

## Indira Gandhi National Open University (IGNOU), Delhi

The IGNOU enrolled its first students in August. I interviewed:

DR.A.W. KHAN Director of Communications Division

He is responsible for the production and distribution of audio-visual and print materials for IGNOU.

He was interested in purchasing the pack "Using Television in Distance Education", and also expressed a need for training materials in media research.

IGNOU is hoping to use INSAT, but it is clear that there is a clash of priorities between its needs and those of the UGC. IGNOU is considering the possibility of video distribution to local study centres, due to the difficulty of reaching the vast majority of students without television sets. IGNOU also lacks production capability at the moment, and is contracting in external production.

IGNOU's first two courses which begin in January 1987 are post-graduate diplomas in

- (a) distance education (I also met Dr. KAL, who is the CT chairman for his course). This has had 5000 applications for 1500 places.
- (b) management.

Its first undergraduate courses begin in January 1988.

## Indian Space Research Organisation (ISRO), Ahmedabad

Several visits were made to the Development and Educational Communication Unit (DECU) and interviews with the following were held:

DR. KIRAN KARNIK	Director, DECU
DR. BINOD AGRAWAL	Senior Research and Evaluation Officer, DECU
DR. BHATIA	Head of Programme Production

As well as gathering a great deal of documentation and information on INSAT and its applications, discussions were held about the relative value of video and broadcasting for IGNOU with whom DECU is working.

Filming for TV4, DT200 was also done while I was at ISRO.

## INSAT Direct Broadcast Reception Viliage, Ponsina, GUJARAT

Ponsina is a five-hour drive north of Ahmedabad, on the Gujarat/Rajasthan border. It is a remote, semi-tribal village, and thus represents one of the key areas for the INSAT project.

Interviews were held with a school teacher, the Chief Engineer responsible for maintenance in the area, a rural development officer, a farmer, and his three daughters.

Filming for TV9 was also carried out while at this village.

### Report

A full report on INSAT -1B incorporating both material collected in India and from desk research is available separately.

### Summary

The visit was extremely successful and I was able to gather all the information I wanted, including detailed and sensitive cost data. Full co-operation was given by all those approached.

### Documentation

The following documentation was collected during my visit to India

- |   |   |
|---|---|
| AGRAWAL, B. (1986)                          | <u>From SITE to INSAT</u> New Delhi: Concept Publishing   |
| AGRAWAL, B.C.,<br>JOSHI, S.R. and SINHA, A. | <u>Communication Research for Development</u><br>New Delhi: Concept Publishing  |
| AGRAWAL, B.C., and<br>MALEK, M.R. (1986)    | <u>Television in Kheda</u> New Delhi: Concept Publishing  |
| AGRAWAL, B.C. et al<br>(1986)               | <u>Children's Television in India: A Situational Analysis.</u> Ahmedabad: DECU, ISRO (not yet released: read but left in Ahmedabad)   |
| AGRAWAL, B.C. (1986)                        | 'Cultural response to communication revolution: many modes of video use in India', <u>Gazette</u> Vol.38 (offprint with Bob Peacock, Social Sciences)   |
| AGRAWAL, B.C. (1986)                        | <u>Culture, Communication and Knowledge : The Structural Predicaments</u> Ahmedabad: ISRO (not yet released: read but left in Ahmedabad.)   |
| AGRAWAL, B.C. (1985)                        | <u>Satellite Communication Beyond SITE: Some Observations from India.</u> Honolulu, Hawaii: 35th Annual Conference of International Communications Association.                               |
| AGRAWAL, B.C. (1985)                        | <u>Planning Strategies for Democratizing Communication in India.</u> Honolulu, Hawaii: 35th Annual Conference of International Communications Association (with Bob Peacock, Social Sciences) |
| AGRAWAL, B.C. (1984)                        | <u>A Decade of Communications Research: Some Reflections for the Future.</u> Ahmedabad: ISRO/UNICEF seminar on SITE to INSAT: Production of Programmes for Women and Children.                |

- AGRAWAL, B.C. (1982) 'Communication Structures in India, a case study of television', Communications, October (with Bob Peacock, Social Sciences).
- BHUSHAN, C. (1985) 'The first year of "INSAT for Education" in CENTRAL INSTITUTE OF EDUCATIONAL TECHNOLOGY, Report of the National Workshop for Finalisation of ETV Programme/Series for INSAT transmissions. New Delhi: NCERT (read, but left at CIET)
- CENTRAL INSTITUTE OF EDUCATIONAL TECHNOLOGY (1986) Educational Television for the Developing World. New Delhi: NCERT
- CHAUDRI, M.M. (1986) 'Indira Gandhi: National Open University: Look before you leap', Indian Express, January 12th.
- DOORDARSHAN (1986) Television India New Delhi: Doordarshan Audience Research Unit
- GAZETTE, Edition 38 (1986) Several articles on Indian satellite (in library)
- GOVT OF INDIA (undated) Indian National Satellite System - 1 Bangalore: ISRO
- GOVT OF INDIA (undated) Indian Space Programme Bangalore: ISRO
- GOVT OF INDIA (1984) INSAT: The Indian National Satellite System: Bangalore: Department of Space, ICC
- GOVT OF INDIA (1984) Establishment of a Central Institute of Educational Technology (INSAT for Education): UNDP Project Document. New Delhi: Ministry of Education and Culture
- JOSHI, S.R. (1986) 'Community TV: The Kheda Experience', Gazette, Vol.38.
- KARNIK, K. (1985) 'A Systems Approach to Satellite delivered learning: some Indian Experiences' Stockholm: 36th Congress of International Astronautical Federation
- NATIONAL COUNCIL FOR EDUCATIONAL RESEARCH AND TRAINING (undated) Central Institute of Educational Technology New Delhi: NCERT
- PHUTELA, R.L. (1984) A study into utilisation and comprehension of school television programmes in Delhi New Delhi: CIET/NCERT (read, but left at CIET)
- RAYMAN, N.K. (1986) Low-cost Videoconferencing Using INSAT-1 for Educational applications. Perth: Australian Society for Educational Technology.
- SINGH, J. and A.K. (1984) A Study to assess the Needs of Primary school children of Orissa for ETV Support. New Delhi: NCERT/SITE (read, but left at CIET)

- SINHA, A.K. (1984) SITE was a good experience but towards what? Ahmedabad. ISRO/UNICEF seminar on SITE to INSAT : Production of Programmes for Women and children.
- SINHA, A.K. (1986) 'Communication and rural development : the Indian Scene', Gazette, Vol. 38

Other publications on INSAT (from desk research)

- AGRAWAL, B.C. et al (1985) INSAT Pre-Production Television Research for Higher Education: A Consolidated Report for UGC Ahmedabad: DECU, ISRO
- AGRAWAL, B.C. (1983) 'The Socio-Political Implications of Communications Technologies in India', Media Development Vol. 30, No.4
- BANARJEE, S. (1984) 'Television for Rural Development: A Scrutiny of the INSAT promise'. Patriot, 4th March
- GUPTA, G.K. (1986) 'INSAT system - bridging the communication gap' in ASIAN-PACIFIC INSTITUTE FOR BROADCASTING DEVELOPMENT, Satellite Communication for Development. Kuala Lumpur: AIBD/IIC
- KARNIK, K. (1986) 'Technological choice and its software' in ASIAN-PACIFIC INSTITUTE FOR BROADCASTING DEVELOPMENT, Satellite Communication for Development. Kuala Lumpur: AIBD/IIC
- MODY, B. (1978) 'Lessons from the Indian satellite experiment' Educational Broadcasting International. September